Volume 64 February 1998 Issue 632

HI-Q

THE LAKEHEAD AMATEUR RADIO CLUB JOURNAL

LARC, Suite 184, 1100C Memorial Ave., Thunder Bay, Ontario, Canada, P7B 4A3

Don't Forget, Next Meeting is the Annual Dinner Meeting !

LARC Family Ski Night !

Thursday-February 26 7:00 p.m. to 10:00 p.m.
At **Kamview Nordic Ski Centre (**located just behind the Neebing Hotel HWY 61) featuring beautifully groomed and easy X-C ski trails, excellent lighting, Chalet with concession bar, ski equipment rentals, and all of your skiing Ham friends !

Rates: Adults $ 6.50 Children $ 4.00
(does not include ski rentals).

Contact Kamview (475-7081) a few days ahead to order ski rental equipment. For further information, QSO **VE3AVS, Dave or VE3XRC, Norm.** See you there.

Sibley Ski Tour Coming up March 7,1998.

Volunteers may still be needed for the Sibley Ski Tour. Check with Norm Bell, VE3XRC for more information. His Phone number is 577-9316 or QSO with him via VE3YQT. Thank you very much, HI-Q Ed.

GOTA ! GOTA ! GOTA !

Go to Girl Guides on the Air !

Fred Lesnick, VE3FAL will be setting up an Amateur Radio Station at the Blake hall on Blake Hall Road. He will be operating a HF and VHF Station. He will be on the suggested operating frequencies on Saturday February 21, 1998 from 10:00 am til sundown or until the Guides get tired. There will be other activities for the Guides to do as well. Snowshoeing, skating at the out door rink, and plenty if other activities as well. All other Guides and Scouts in the Thunder Bay and outlying area are welcome to join in the fun. It looks like it is going to be a fun time. Don Bel, VA3DPB will also be operating from his home base station with a group of Girl Guides that his daughter belongs to. Fred and Don have been involved with this activity now for a number of years. Please feel free to check in with them when they are on the air for GOTA either 2m or on HF, (suggested GOTA freq. 3.733, 3.933, 7.088, 7.188, 14.133, 14.188, 21.360, 28.988 and 2m). tnx HI-Q Ed.

New "Emergency Coordinator" for ARES

Randy Gottfred has accepted the position of Emergency Coordinator for the Amateur Radio Emergency Service for our area. Please help us update the ARES call out list by joining ARES or giving any address changes. There has been an e-mail ARES form sent out for those with e-mail and an insert for those getting the HI-Q via snail mail. Thank you very much. HI-Q Ed.

Ham Classes every Thursday except the 2nd Thursday of every Month, Meeting night.
Tell a friend, still lots of room for more Students.

Inside HI-Q

1997/1998 LARC

Founding President
P. J. (Pat) O'Shea VE3FW

LARC maintains the Club call VE3FW
to honour the memory of our first
President Mr. Pat O'Shea.

Senate
Bill Roberts VE3ARN
Keith Fiske VE3JQ
Bert Lambert VE3BKY
Ray Greer VE3CH
Bill Klemacki VE3AJ

Executive Board

President:	Ian Mellis	VA3RIM	577-1628
Vice Pres:	Ed Baumann	VE3SNW	622-1216
Secretary:	Norm Bell	VE3XRC	577-9316
Treasurer:	John Watson	VE3GTX	683-3199
Directors:	Judy LeFevre	VA3EAP	
	Sam Shonias	VA3SAM	
	Bob Hanson	VE3RVA	767-6924
	Jan Sokoloski	VA3JRS	
Past Pres:	Terry Stewardson	VE3TKA	577-9439

Appointments

Mem. Sec.:	John Watson	VE3GTX	683-3199
Hi-Q Editor:	Wayne Letang	VA3WRL	344-9759

Emergency Coordinator...Randy Gottfred, VA3GOT.....939-2310

Club Repeaters
VE3YQT 147.060 - OFFSET
VE3TBR 146.820 - OFFSET

Next Meeting
Annual Dinner at the Davinci Centre
February 12th, Symposium at 6 pm
Dinner at 6:45 pm

Meetings are held at 7:30 pm every second Thursday of each month
at Confederation College in room 207B in the McIntyre Building.

Minutes of a Meeting of the Lakehead Amateur Radio Club held in Room 207B at Confederation College, Thunder Bay, Ontario on January 8, 1998

The meeting was called to order at 7:30 pm by the President VA3RIM, Ian Mellis with 32 members and guests in attendance.

Minutes of the previous meeting:
The minutes of the previous meeting held December 11, 1997 were published in detail in the January edition of "HI-Q" and distributed to all members. It was pointed out that there had been an omission to the minutes in that a motion had been passed to send a letter to the MacDonald family regarding the display of amateur radio equipment at the Thunder Bay Historical Museum. This motion had been moved by VE3UA, Jim O'Brien and seconded by VE3GTX, John Watson.
Motion: moved by VA3PEP, Carl Storry and seconded by VA3MOB, Maureen Bell that the minutes be accepted as amended.**Carried.**

Correspondence: none

Treasurer's Report: VE3GTX, John Watson

Balance as of October 1, 1997		$ 2,970.38
Income:		
Membership Dues	795.00	
Bank Interest	0.75	
50/50 Draw	25.50	
	821.25	
Expenses:		
Telephone	189.78	
Mail Boxes Etc.	50.72	
Insurance	733.32	
Bank Charges	1.80	
Annual Dinner Dep.	90.00	
Club Vests	500.00	
	1,565.62	
Balance as of December 31, 1997		$ 2,226.01

Motion: moved by VE3GTX, John Watson and seconded by VA3WRL, Wayne Letang that the Treasurer's report be accepted.**Carried.**

Old Business:

-Red Rock Repeater Site: T.B. Comm is still considering our request. They have indicated that they have some concerns regarding possible interference to existing clients equipment located on this tower. This item will be revisited at the March meeting.

-Field Day Committee: the President has recruited several volunteers to serve on the field day committee. VE3AJ Bill Klemacki, VE3XT Bill Unger, VA3GOT Randy Gottfred, VA3WRL Wayne Letang, VA3JRS Jan Sokoloski, VA3PEP Carl Storry and VE3OPF Axel Rehfuss have agreed to serve on the committee. A chairman for the committee is still required.
-Code Classes: will commence Wednesday January 21, 1998 at 217 University Drive, 7 pm to 8 pm (QTH of VE3XRC, Norm Bell).

-Public Service: VE3ZG, Mike Nawrocki stated that there are three public service events coming up in the near future, the Beargrease Sled Dog Race January 11 - 14, Winter Carnival in late February and the Sibley Ski Tour the first Saturday in March.

-Annual Dinner: to be held Thursday, February 12, 1998. VE3RVA, Bob Hansen promises an interesting night. He is still looking for door prizes.

New Business:

-1997-98 Budget: the proposed budget for the 1997-98 operating year was presented by VE3GTX, John Watson.

Income Categories Proposed

50/50 Draw	$ 120.00
Memberships	2900.00
Student Fees	500.00
Donations	500.00
Vests	300.00
Call Books	1200.00
Total Income	**$ 5520.00**

Expense Categories Proposed

Administration	$ 300.00
Bank Service Charges	10.00
Class	200.00
HI-Q	800.00
Insurance	733.32
Telephone	760.00
Maintenance	200.00
Total Expenses	$ 3003.32
Difference	$ 2516.68

John proposed that a "Club Maintenance Fund" be established to be used as a reserve fund. Revenue from the Vests and Call Books to be used for this fund.

Motion: moved by VE3GTX, John Watson and seconded by VE3SNW Ed Baumann that the Proposed Budget be accepted. **Carried.**

50/50 Draw: winner of the 50/50 Draw was VA3PP, Pat Pugh.

Adjournment: moved by VA3MOB, Maureen Bell that the meeting be adjourned. **Carried.**

Following the meeting, a tour of the Canadian Coast Guard Radio Station at Keefer Terminal was conducted by VE3INI, Andy Malcolm and VA3ROM, Bob Mazur. Thanks guys.

1998 JOHN BEARGREASE SLED DOG RACE
by Norm VE3XRC

Once again, Lakehead Amateur Radio Club operators set up and manned the most northerly radio station for the '98 John Beargrease Sled Dog Race. Due to lack of snow in the Duluth area, the three races were started at Mineral Centre, approximately five miles northwest of Grand Portage. The 100 mile race finished at Sawbill Lake. The 190 mile race went south to Sawbill Lake and finished back at Mineral Centre. The marathon, shortened to 300 miles did some doubling on the trails and also finished at Mineral Centre. VE3FW went on the air at noon Sunday January 11th and provided round-the-clock communications with Beargrease Headquarters in Duluth as well as the other checkpoints until 4 A.M. Wednesday January 14th, when the final team crossed the finish line. The station was manned by VE3RVA, Bob Hansen, VA3PEP Carl Storey, and VE3XRC Norm Bell. As well as utilizing the link system through the Grand Marais repeater, a simplex frequency was used between Mineral Centre and Grand Portage.

Public Service
by Mike Nawrocki

The first Public Service event of the year is done, the John Beargrease Sled Dog Race. This event is normally run from Duluth up to Grand Marais, however Mr. Snowman missed Duluth early this year, so the race started and finished near Grand Marais. Our two resident experts, Bob Hansen VE3RVA and Norm Bell VE3XRC, with some help from Carl Storey VA3PEP had the right stuff and fed all the information back to race Headquarters in Duluth. The boys reveal that you need a 100 watt VHF station and an 11 element beam antenna pointed at the exact angle and the exact direction to maintain constant contact with the Grand Marais repeater to link on down to Duluth. And since they know exactly how it is done, it takes them only a half hour to set up and be on the air. Well done guys, you have the job for life now. The winter carnival is coming up in February, Norm is spearheading that one; no news on what is required there, although he has been in touch with Bob Gillman. Any of you who were involved with the Nordics in '94 and '95 would remember Bob, as woe betide anyone who interfered with his communicatons when ski jumping was running. Sibley Ski Tour is starting to take shape, some helpers have already agreed to participate, more bodies are needed. Anyone with experience in the event, please call and let me know that you would be willing to help. If no one calls, I will just shanghai whoever does not have a good reason for not getting up very early in the morning to be at a 6AM breakfast at the Pass Lake restaurant.

It was Anonymous !

I had a early evening phone call, someone with a muffled voice said “How about Potato Digger.” I said “What do you mean Potato Digger ?” The voice at the other end of the line said “this is regards to VE3PDs’ new call I have the handle Potato Digger figured out for the suffix of Pat’s call sign and don’t forget Radishes and Carrots too ! Do I win a prize ?” I replied that there was no prize for coming up with a handle for Pats’ call sign but it’s a pretty good one for Pat since he grew them spuds out there on that farm of his. Keep them coming(Old One Boot).

The Radio Amateurs of Canada Two-Metre Band Plan
(Approved September 23rd 1995)

STATUS: Amateur Exclusive
FREQUENCY (MHZ)
•144.000-144.100- MOONBOUNCE AND TERRESTRIAL CW
144.100-CW CALLING FREQUENCY

•144.100-144.200-CW/SSB WEAK SIGNAL
144.200-SSB CALLING FREQUENCY (1)
•144.200-144.275-AM NARROW BAND MODES EXCLUSIVE
(ACSSB, SSB, CW, other modes with bandwidth less than 3 kHz. ie FAX, SSTV, RTTY)
•144.275-144.300- PROPAGATION BEACON NETWORK EXCLUSIVE
•144.300-144.500-DIGITAL (2)
144.340-NATIONAL ATV COORDINATION FREQUENCY (1)
144.390-NATIONAL APRS FREQUENCY (9)
•144.500-144.600-REPEATER INPUTS PRIMARY, LINEAR TRANSLATOR INPUTS SECONDARY(10) •144.600-144.900-REPEATER INPUTS(10)
•144.900-145.100 -DIGITAL (3)
•145.100-145.200 -REPEATER OUTPUTS PRIMARY, LINEAR TRANSLATOR OUTPUTS SECONDARY (10) •145.200-145.500-REPEATER OUTPUTS(10)
•145.500- 145.590- SAREX/MIR/SPACE STATION LINKS •145.590- 145.790-DIGITAL (4) •145.800 -146.000-EXCLUSIVE AMATEUR SATELLITE SERVICE •146.010-146.370- REPEATER INPUTS(10) •146.400-146.580-FM SIMPLEX (5)(6)
146.520-NATIONAL FM CALLING FREQUENCY (1)
•146.610-147.390- REPEATER OUTPUTS (10) •147.420- 147.570 - FM SIMPLEX (30 kHz raster)(7) •147.435-147.585- DIGITAL (30 kHz raster)(8) •147.600-147.990-REPEATER INPUTS (10)
Footnotes:
(1) Once communications are established QSY off the frequency.
(2) Seven (7) frequencies on a 20 kHz channel raster 144.37, 144.39, 144.41, 144.43, 144.45, 144.47, 144.49. Occupancy to occur ONLY when available Digital frequencies within the sub bands 144.9-145.1 MHZ and 145.59-145.79 MHZ are exhausted. Consult with your local digital coordination body regarding maximum ERP, Bandwidth and coverage area within this sub band. Operation may occur on 144.31 MHZ provided operating bandwidth, ERP do NOT cause harmful interference within the propagation beacon network sub band.
(3) Ten (10) frequencies on a 20 kHz channel raster. 144.91, 144.93, 144.95, 144.97, 144.99, 145.01, 145.03, 145.05, 145.07, 145.09. Consult with your local coordination body.
(4) Eleven (11) frequencies on a 20 kHz channel raster 145.59, 145.61, 145.63, 145.65, 145.67, 145.69, 145.71, 145.73, 145.75, 145.77, 145.79 MHZ. Consult with your local coordination body.
(5) The frequencies 146.40, 146.43, 146.46 MHZ continue to be used as repeater inputs in some areas. Consult with your local coordination body.
(6) Thirteen (13) Channels on a 15 kHz channel raster 146.415, 146.430, 146.445, 146.460, 146.475, 146.490, 146.505, 146.520, 146.535, 146.550, 146.565, 146.580, 146.595 MHZ.

(7) Six (6) Channels on a 30 kHz channel raster, 147.420, 147.450, 147.480, 147.510, 147.540, 147.570 MHZ.
(8) Six (6) Channels on a 30 kHz channel raster 147.435, 147.465, 147.495, 147.525, 147.555, 147.585 MHZ. Consult your local coordination body for available frequencies, ERP and bandwidth.
(9) Consult with your local coordination body.
(10) Repeaters may include FM, ACSSB or digital modes of modulation. Consult with your local coordination body for frequency and modulation scheme allocations.
Dana Shtun, VE3DSS

Next time your in Kmart and you want to have some fun, set all the alarm clocks to go off at ten minute intervals throughout the day.

The RAC HF Band Plan
(approved April 22, 1995)

160 Metre Band - Maximum bandwidth 6 kHz
1.800 to 1.820 MHz - CW
1.820 to 1.830 MHz - Digital Modes
1 830 to 1.840 MHz - DX Window
1.840 to 2.000 MHz - SSB and other wide band modes

80 Metre Band - Maximum bandwidth 6 kHz
3.500 to 3.580 MHz - CW
3.580 to 3.620 MHz - Digital Modes
3.620 to 3.635 MHz - Packet/Digital Secondary
3.635 to 3.725 MHz - CW
3.725 to 3.790 MHz - SSB and other side band modes*
3.790 to 3.800 MHz - SSB DX Window
3.800 to 4.000 MHz - SSB and other wide band modes
* 80 metres normally LSB, to stay within Band Plan SSB should not be lower than 3.728 MHz.
As example note US stations cannot operate below 3.753 MHz

40 Metre Band - Maximum bandwidth 6 kHz
7.000 to 7.035 MHz - CW
7.035 to 7.050 MHz - Digital Modes
7.040 to 7.050 MHz - International packet
7.050 to 7.100 MHz - SSB
7.100 to 7.120 MHz - Packet within Region 2
7.120 to 7.150 MHz - CW
7.150 to 7.300 MHz - SSB and other wide band modes

30 Metre Band - Maximum bandwidth 1 kHz
10.100 to 10.130 MHz - CW only
10.130 to 10.140 MHz - Digital Modes
10.140 to 10.150 MHz - Packet

20 Metre Band - Maximum bandwidth 6 kHz
14.000 to 14.070 MHz - CW only
14.070 to 14.095 MHz - Digital Mode
14.095 to 14.099 MHz - Packet
14.100 MHz - Beacons
14.101 to 14.112 MHz - CW, SSB, packet shared
14.112 to 14.350 MHz - SSB
14.225 to 14.235 MHz - SSTV

17 Metre Band - Maximum bandwidth 6 kHz
18.068 to 18.100 MHz - CW
18.100 to 18.105 MHz - Digital Modes
18.105 to 18.110 MHz - Packet
18.110 to 18.168 MHz - SSB and other wide band modes

15 Metre Band - maximum bandwidth 6 kHz
21.000 to 21.070 MHz - CW
21.070 to 21.090 MHz - Digital Modes
21.090 to 21.125 MHz - Packet
21.100 to 21.150 MHz - CW and SSB
21.150 to 21.335 MHz - SSB and other wide band modes
21.335 to 21.345 MHz - SSTV
21.345 to 21.450 MHz - SSB and other wide band modes

12 Metre Band - Maximum bandwidth 6 kHz
24.890 to 24.930 MHz - CW
24.920 to 24.925 MHz - Digital Modes
24.925 to 24.930 MHz - Packet
24.930 to 24.990 MHz - SSB and other wide band modes

10 Metre Band - Maximum band width 20 kHz
28.000 to 28.200 MHz - CW
28.070 to 28.120 MHz - Digital Modes
28.120 to 28.190 MHz - Packet
28.190 to 28.200 MHz - Beacons
28.200 to 29.300 MHz - SSB and other wide band modes
29.300 to 29.510 MHz - Satellite
29.510 to 29.700 MHz - SSB, FM and repeaters

How the RAC HF Band Plan was developed

The HF Band Plan is a voluntary, gentleman's agreement, intended for the guidance of and observation by Canadian Radio Amateurs. Without these guidelines chaos would set in. The main mode of enforcement is peer pressure.

Industry Canada as a government department regulates the amateur radio spectrum. They regulate the frequencies and the bandwidth, but not the modes of operation within the amateur spectrum. A Band Plan (even though it is voluntary) is necessary for the guidance of the users.

The Canadian HF Band Plan was formulated by a committee of Radio Amateurs representative of a cross section of each geographical district. After a consensus was reached by the committee, the HF Band Plan was submitted to the Board of Directors of Radio Amateurs of Canada for approval. The Plan was approved on April 22, 1995.

The HF Band Plan reflects the interests of Canadian Radio Amateurs, while taking into account the regional and international concerns of the International Amateur Radio Union. The plan addresses the needs of Canadian Radio Amateurs for a workable HF Band Plan. **(I've gotten the Canadian HF and VHF band plans from the RAC web page, the American band plan is different. If you go to the States please take time to find out proper frequencies to operate on, it may save a lot trouble. Check James Dean article page 6 or the ARRL handbook for the proper American band plan. HI-Q Ed.)**

Don't you try this !

This is nominee #11 for the Darwin Award [Arkansas Democrat gazette], July 25, 1996

Two local men were seriously injured when their pick-up left the road and struck a tree near Cotton Patch on State Highway 38 early Monday morning. Wooddruff County deputy Dovey Snyder reported the accident shortly after midnight Monday. Thurston Poole, 33 of Des Arc and Billy Ray Walllis, 38, of Little Rock are listed in serious condition at Baptist medical center. The accident occurred as the two men were returning to Des Arc after a frog gigging trip. On a overcast Sunday night, Poole's pickup truck lights malfunctioned. The two men concluded that the headlight fuse on the older model truck had burned out. As a replacement was not available, Wallis noticed that the .22 caliber bullet from his pistol fit perfectly into the fuse box next to the steering wheel column. Upon inserting the bullet , the headlights began to operate properly and the two men proceeded toward the White River Bridge. After traveling approximately twenty miles and just before crossing the river, the bullet overheated, discharged and struck Poole in the right testicle. The vehicle swerved sharply to the right exiting the pavement and struck a tree. Poole suffered only minor cuts and abrasions from the accident but will require surgery to to repair the other wound. Wallis sustained a broken clavicle and was treated and released. "Thank God we weren't both on that bridge when Thurston shot his ____ off or we might both be dead" stated Wallis. "I've been a trooper for ten years in this part of the World, but this a first for me. I can't believe that those two would admit how this accident happened", said Snyder. Upon being notified of the wreck, Lavinia, Pooles Wife asked how many frogs the boys had caught and did anyone get them from the truck. (submitted by Andy VE3INI)

Excerpt de ARRL Letter, vol 17 no.2 Jan. 9, 1998

MIR TO STAY UP A BIT LONGER; NEXT CREW TO BE ALL HAMS

News reports say that the 12-year-old Russian Mir space station may stay in orbit until the first components of the International Space Station are in place in 1999--a few months longer than planned. The first ISS units are set to be launched later this year. Hams are scheduled to be among the first crew members to populate the ISS, but the US presence aboard Mir will come to an end this June. US astronaut David Wolf, KC5VPF, now aboard Mir, is scheduled to be replaced later this month by Australian-born US astronaut Andy Thomas, KC5CHF. Two new Russian crew members, both hams, are due to arrive at month's end.

NASA has set January 22 as the launch date for the penultimate space shuttle trip to Mir. The shuttle Endeavour will carry supplies and a crew of seven, including Thomas.

Wolf has been living on Mir since late September. Thomas will work aboard Mir until June, when the US shuttle Discovery will dock with Mir for the final time, rounding off the Russian-US cooperative mission.

Wolf's research schedule has allowed him little spare time to use the ham radio equipment aboard Mir. The packet system aboard the space station has been experiencing problems because the crew has not had time to set up the correct parameters for the new TNC aboard Mir. This week, Wolf, 41, monitored and filmed the operation from inside Mir's main module as his two cosmonaut crewmates conducted a

space walk to check a leaky hatch and to retrieve some equipment. Wolf and cosmonaut Anatoly Solovyov will carry out a NASA-run spacewalk on January 14 to recover experiments set up outside Mir by previous US astronauts.

The SAFEX repeater (downlink 437.950 MHZ; uplink 435.750 MHZ) has been active on an intermittent basis. The crew has turned off the CTCSS tone feature of the repeater, making it easier for weak stations to access the repeater. However, this also means the repeater may transmit noise and occasionally time out.

While the aging space station has been free of the kinds of major troubles that plagued it last year, Mir's computer malfunctioned just two days into the new year. The problem was subsequently fixed.

Later this month, Mir will get a bit crowded. French astronaut Leopold Eyharts is scheduled to join Russian cosmonauts Talgat Musabayev, RO3FT, and Nikolai Budarin, RV3FB (ex-RV3DB and R4MIR) in the first crew change of the year. They are scheduled to blast off to Mir on January 29. Eyharts' mission to Mir was planned for last August but had to be postponed after a Progress cargo rocket collided with Mir last June forcing emergency repairs.
Eyharts will work aboard Mir for three weeks before returning to earth with Anatoly Solovyov and Pavel Vinogradov, the current Mir Russian contingent.

From: James G. Dean VE3IQ
Date: 1998 01 06
Subject: OPERATING REQUIREMENTS WHILE IN THE USA

This message is one of several sent to subscribers of RAC bulletins. For more information about the robot, please visit http://www.rac.ca/~racnews/othernotices/racbullemail.htm

RAC has been advised that Canadian amateurs visiting in the United States have been heard operating on SSB in the 14.120 to 14.150 MHZ. portion of the 20 metre band. All amateurs are reminded that while in the USA, foreign amateurs (including Canadians) must observe U.S. regulations, including sub-bands. U.S. amateurs are not authorized to operate phone below 14.150 MHZ. Canadian amateurs who can operate 20 metres in Canada (that is, holders of Basic plus 12 WPM Certificates) may operate phone between 14.150 and 14.350 MHz. while in the USA.

From: James G. Dean, VE3IQ
Date: 1998 01 11
Subject: SUPPLEMENTARY BULLETIN - OPERATING IN THE USA

Further to RAC Bulletin 98-05E, RAC has now been advised that Canadian amateurs visiting the south-east United States have been heard operating portable and mobile on 75 metres SSB between 3725 and 3750 kHz. Amateurs intending to operate in the the USA are again reminded that while in the USA, foreign amateurs (including Canadians) must comply with U.S. regulations, including sub-bands. U.S. amateurs are not permitted to operate fone below 3750 kHz.

Helpful Hint: To save yourself the price of a face-lift, smile a lot

Hey !

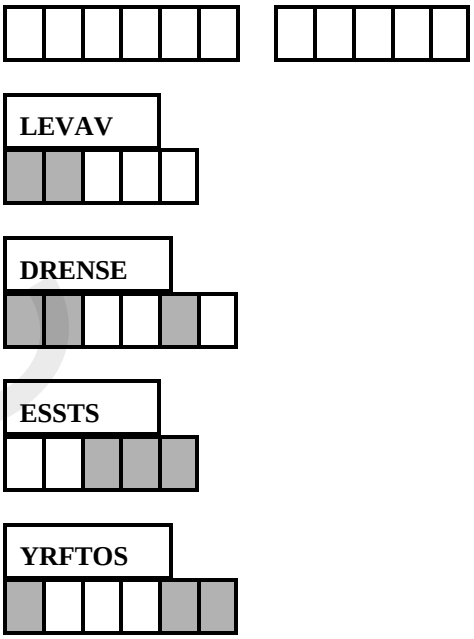
If evolution works, how come parents only have two hands ?

HAM PUZZLER

By Dave, VE3AVS

Unscramble the four jumbled words. Then arrange the shaded letters to form a word or words associated with the call sign shown below. Answer in next month's HI-Q.

V A 3 J R S



January answers:

HACKER SALES DRIVER TOTAL
VE3ZG=RADIO SHACK

February answers next month....73

To age is easy, to age gracefully takes some effort.

Interesting Web site for you to check

http://w3.nrl.navy.mil/projects/haarp/index.html

HAARP, Stand for: High Frequency Active Auroral Research Program. Haarp is a scientific endeavor aimed at studying the properties and the behavior of the ionosphere, with particular emphasis on being able to understand and use it to enhance communications and surveillance systems for both civilian and defence purposes. (“HAARP information Page”).

There are some interesting photos of the antenna system that HAARP has set up in Alaska for you look at once you get on the web page. Thanks to Lindo, VE3NHX for showing this web sight, HI-Q Ed.

Adobe Requirements

We are thinking of upgrading our Adobe Acrobat PDF writer and we want to know if everyone’s computer can support Acrobat reader. Here are the requirements for the new Acrobat Reader 3.0 or 3.1. Please check out (www.adobe.com) for more info and downloading of the free reader.

Minimum requirements:

- i386 ™, i486™, Pentium®, or Pentium Pro processor-based personal computer
- Microsoft Windows 3.1, Windows 95, or Windows NT 3.51 or later.
- 8 MB of RAM (16 MB for Windows NT) for Acrobat Reader, Acrobat Exchange, or Acrobat Catalog
- 16 MB of RAM (24 MB for Windows NT) for Acrobat Distiller or Acrobat Capture Plug-in
- CD-ROM drive (1.44 MB floppy disks available on request)

Recommended:

- Pentium processor-based personal computer
- Windows 95 or Windows NT
- 16 MB of RAM (24 MB for Windows NT)
- CD-ROM drive
- 40 MB of available hard-disk space

Bike Hams

Who Are They?
From the BMHA newsletter:

"BMHA got its start when a "Stray" in the June 1989 QST magazine asked to "get in touch with hams who operate their radios while bicycle-mobile, or while in any other human-powered conveyance," signed by Hartley Alley, NA0A. Twenty five hams responded, filled out questionnaires, and received a summary of the collected data.

"In April of '90, we had our first BMHA Forum at the Dayton HamVention. We played to a packed house, overflowed the room, and added 54 names to our mailing list. Our three subsequent forums have drawn increasingly larger audiences, and now BMHA is established as a 'regular' at this world-renowned event.

Membership

BMHA publishes a quarterly newsletter. Members receive the newsletter. Membership is $10/year (US) and $15/year (Canada/DX). Family membership of two or more hams is available for $15/year. The newsletter is published in January, April, July, and October. A sample of the BMHA newsletter is available for an SASE. Back issues of the newsletter are available for $1.75 each. Inquire about the availability when you ask for your sample newsletter.

Getting In Touch

BMHA conducts an on-the-air network on the 1st and 3rd Sunday of each month. The frequency is 14.253 (+/- QRM) and the early session is at 1800 UTC while the regular session begins at 0000 UTC (Monday morning UTC).

Their mailing address is:

Bicycle Mobile Hams of America
P.O. Box 4009
Boulder, CO 80306

Ph. (303)494-6559

Excerpt deARRL Letter, Vol 17 no. 2 Jan. 9, 1998

SPUTNIK PS2/RS-17 OFFICIALLY DECLARED DEAD

It's official. The Sputnik PS2/RS-17 mini-satellite is a silent key. It ceased transmitting on December 29, 1997. The little satellite, a one-third scale replica of the original Sputnik 1, beep-beeped its way around the globe for 55 days, more than two weeks longer than it had been projected to last. The 200-mW transmitter was powered by lithium batteries. The Sputnik PS-2 was launched by hand from the Russian Mir space station on November 4, 1997, to commemorate the 40th anniversary of the launching of the original Sputnik by the USSR in 1957. The original Sputnik only transmitted for about one month.

The Sputnik PS2 beacon, on 145.82, was widely monitored and recorded around the world. The satellite was fabricated by students in Russia and on France's Reunion Island. Sputnik 40 Years, which sponsored the satellite project, said the last known recordings of the Sputnik PS2 beacon were made on December 29 at approximately 2100 UTC by a ham in Washington and by FR1AJ on Reunion Island. At the time, the data indicated an internal temperature of 40 degrees C.

Those tracking the satellite reported that the Sputnik PS2's beacon signal had continued to get weaker as the end approached. Even after the beep-beep ceased, however, the satellite's unmodulated oscillator continued to transmit for a while longer.

Reception reports go to The Radio Club of Jules Reydellet school on Reunion Island. Those whose reports are confirmed will receive an approximately 6x9-inch color certificate on high-quality paper with number identification and the radio club stamp. Requests for these certificates should be made only by letter with an SASE (6x9 inch) and two (2) IRCs. Do not send requests via e-mail! The mailing address is FR5KJ Radio Club, 103 Rue de la Republique, 97 489 Saint Denis Cedex, Reunion Island.

Canadian Awards

This is a list of some Canadian Awards that are available. This list was taken from the RAC Web page. For more information on the the awards please check out the RAC Web page on the internet . The web site address is: www.rac.ca. Would have put all the info in the HI-Q, but it would have taken all the space. HI-Q Ed.

•Birthplace of Canada Award
•Canadian Islands Awards
•Canadian Provinces Award
•Canadian QRP award
•CanaD-X 100 Award – no longer available
•Cod Jigger TAC Award
•CLARA Certificate
•CLARA Family Certificate
•CLARA Ten DX Contacts Certificate
•CLARA YL DXCC
•Cod Jigger TAC Award (TAC – Total Allowable Catch)
•CW Code Award
•CW Contester of the Year
•CW Operators of the British Commonwealth – no longer available
•Diplome des Ameriques Francais – no longer available
•Diplome de la Ville de Québec
•Forefathers Award – no longer available
•Fortune 500 Award
•Friendly Border Award – no longer available
•Great Lakes and Ontario Routes Award
•Heritage Award
•280 Group Award
•Le Bleuet Award
•Maple Leaf Award
•Master Crown SSB Award
•Master CW Code Award
•National Capital Award
•Newfoundland Flotilla '97
•Northern CW Award
•P.E.I. Abegweit Award
•Piece of the Rock Award
•RAQI awards •Satellite Award

Amateur Safety Vests

Jan, VA3JRS has only so much material left for the safety vests. Be sure to get your order in before she runs out. Her phone number is 344-3222 or give her a call on VE3YQT ,147.060.

The truth always exists, but it's the awareness of it that is clouded.

Swap & Shop

Dave, VA3DVE still has his Ft-840 for sale. It includes the FM board for ten meters, desk mic etc. He is asking $ 1000.00 for the rig. His phone number is 807-935-2851, call him on the weekend Friday 5 pm to Sunday 5pm.

The Radio Amateurs of Canada Six-Metre Band Plan
Send comments to VHF/UHF Spectrum Management Committee, Dana Shtun, VE3DSS
This plan was approved October 1997

BAND: 50 - 54 MHz
STATUS: Amateur Exclusive

FREQUENCY (MHz) UTILIZATION
50.0-50.6... NARROW BAND MODES (SSB, AM)
50.0-50.050…CW / BEACONS / MOONBOUNCE
50.050-50.1....CW / BEACONS
50.1- CW CALLING FREQUENCY
50.1-50.6-.... SSB and AM MODES (BANDWIDTH less than or= 2.3 kHz)
50.105-50.115…DX WINDOW (LISTEN FOR DX HERE)(4)
50.110…..…. DX WINDOW CALLING FREQUENCY (4)
50.125 … NATIONAL SSB CALLING FREQUENCY
50.4 …...…… AM CALLING FREQUENCY
50.6 - 51.0 ...EXPERIMENTAL MODES (1)
50.7……. … … RTTY, AMTOR CALLING FREQUENCY
50.8 - 50.98 .....……RADIO CONTROL OF MODELS, TEN CHANNELS ON A 20 kHz RASTER
51 - 51.1 .....PACIFIC (ZL) DX WINDOW (SSB/CW ONLY) (3)
51.1 - 52 .....FM VOICE SIMPLEX, AND PACKET (1)
51.7 ……NATIONAL SIMPLEX PACKET CALLING FREQ
52 - 52.05 ……PACIFIC (VK) DX WINDOW (SSB/CW ONLY) (3)
52.525 ……NATIONAL FM CALLING FREQUENCY
52 - 53 ……FM VOICE REPEATER INPUTS (2)
53 - 54 ……FM VOICE REPEATER OUTPUTS
Footnotes:
1) In North America the following frequencies are suggested for Packet digipeater and packet scatter operation:
50.62/51.62 50.68/51.68 50.76/51.76
50.64/51.64 50.72/51.72 50.78/51.78
50.66/51.66 50.74/51.74
For co-located voice and packet repeaters, use high (input) and low (output) to provide maximum mutual frequency isolation.
2) SEE TABLE OF REPEATER PAIRS
3) AMATEURS ARE REQUESTED TO AVOID USING FM OR OTHER WIDE BAND MODES ON THESE FREQUENCIES TO MINIMIZE INTERFERENCE TO AUSTRALIAN AND NEW ZEALAND AMATEURS WORKING INTO REGION 2 ON SSB/CW.
4) NORTH AMERICAN AMATEURS ARE REQUESTED TO AVOID CALLING "CQ DX" ON 50.110 MHz.

Once again thanks for all the input in putting together the HI-Q, HI-Q Ed.